



# Installing PowerBook G3 Lombard RAM

## Tools used in this guide

- [Anti-Static Wrist Strap](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Spudger](#) (1)

## Parts relevant to this guide

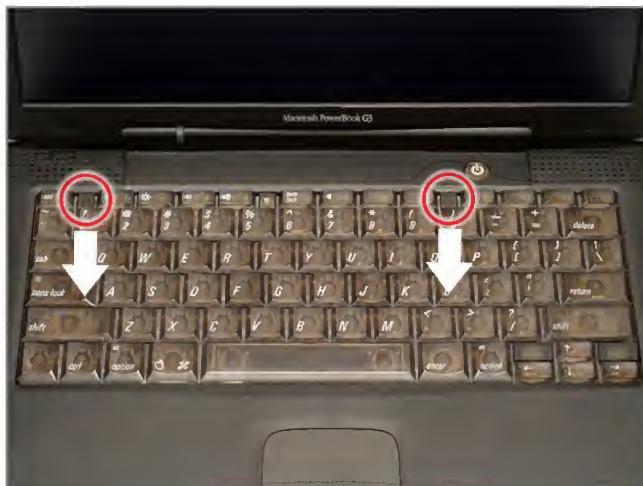
- [PC100 128 MB RAM Chip](#) (1)
- [PC100 256 MB RAM Chip](#) (1)

Two RAM slots allow up to 512 MB of PC100 RAM.



### Step 1 - Keyboard

- Turn the computer so that the ports are facing you.
- If the keyboard is locked, open the port cover and turn the keyboard locking screw until the keyboard is unlocked.



### Step 2

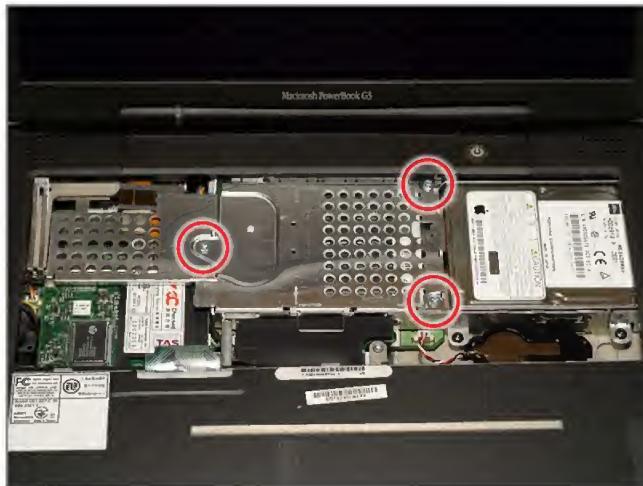
- Pull the keyboard release tabs toward you and lift up on the keyboard until it pops free.
- Make sure you have removed the laptop battery and CD/DVD module from the expansion bays before proceeding.



### Step 3

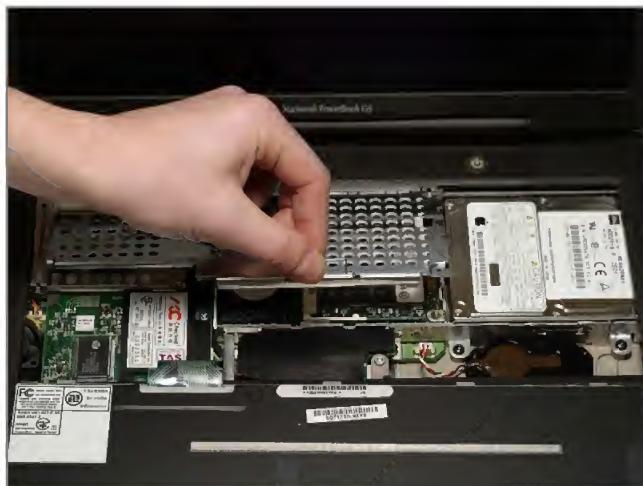
- Lift the keyboard out by pulling it up and away from you. Rest the keyboard, face down, on top of the trackpad.
- In order to replace the keyboard, you must first remove the modem.





### Step 4 - Heat Shield

- Remove the three silver Phillips screws that attach the heat shield to the internal metal framework.



### Step 5

- Lift the heat shield up and pull it toward you.



### Step 6

- Your laptop should look approximately like this.



### Step 7 - PRAM Battery

- Pull the battery cable directly up from the logic board.



### Step 8

- Remove the battery from its holder by pulling up and to the left.



### Step 9 - Modem

- Remove the two silver Phillips screws from the modem.



### Step 10

- Use a spudger, the tips of your fingers, or a flat non-metal tool to get under the modem's edge and pry it up from its socket as shown in the picture.



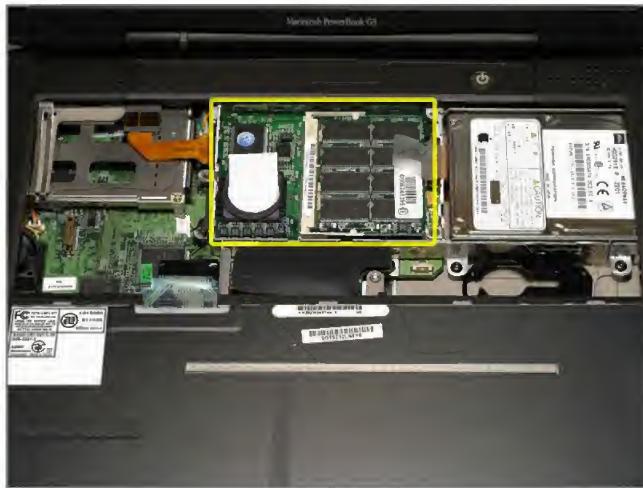
### Step 11

- Disconnect the cable from the right side of the modem.



### Step 12

- Your laptop should look approximately like this.



### Step 13 - Processor

- Use a spudger, the tips of your fingers, or a flat non-metal tool to pry up the processor's right side.



### Step 14

- Disconnect the keyboard cable from the logic board by pulling directly up on the clear plastic loop.
- This step is out of sequence with the keyboard because in order to remove the keyboard you must first remove the modem.



### Step 15

- Your laptop should look approximately like this.



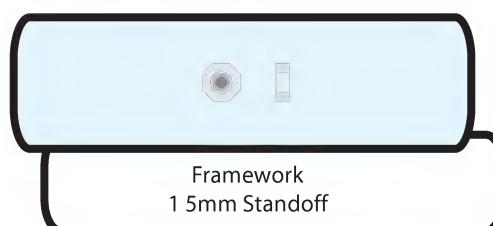
### Step 16 - RAM

- Release the tabs on each side of the RAM chip at the same time. These tabs lock the chip in place and releasing them will cause the chip to "pop" up.
- Pull the RAM chip out.
- There are RAM slots on both sides of the processor. We recommend installing higher capacity chips on the bottom so that if you want to upgrade later, you won't have to remove the processor.



To reassemble your device, follow these instructions in reverse order.

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To organize your screws, simply place each screw in the appropriate box as you remove them from your laptop.

If you are not planning on immediately reassembling your laptop, you may want to tape the screws to this paper.

Due to model variations, the screws you remove may differ slightly from this guide.